Safety Attribute Inspection (SAI) Data Collection Tool
5.1.2 Weather Reporting / SAWRS (AW)

ELEMENT SUMMARY INFORMATION

Purpose of This Element (Certificate Holder's responsibility):

- For the Certificate Holder to comply with the requirements of the Weather Reporting / SAWRS process and to perform their duties and responsibilities to a high degree of safety.

Objective (FAA oversight responsibility):

- To determine if the Certificate Holder's Weather Reporting / SAWRS process meets all applicable requirements of the Federal Aviation Regulations and FAA policies.
- To determine if the Certificate Holder's Weather Reporting / SAWRS process incorporates the System Safety Attributes.
- To identify any shortfalls in the Certificate Holder's Weather Reporting / SAWRS process.

Specific Instructions:

- Intentionally left blank

SUPPLEMENTAL INFORMATION

Specific Regulatory Requirement(s) (SRRs):

- SRRs:
  121.101(a)
  121.119(a)
  121.135(a)(1)
  121.135(b)(1)
  121.135(b)(2)
  121.135(b)(3)

Related CFR(s) & FAA Policy/Guidance:

- Related CFRs:
  Intentionally left blank

- FAA Policy/Guidance:
  FAA Order 8300.10, VOLUME 3, CHAPTER 145.

SAI SECTION 1 − PROCEDURES ATTRIBUTE		
Objective: Procedures, instructions and information contained in Certificate Holder's manual are documented methods for accomplishing a process. Policies contained in the Certificate Holder's manual should establish the Certificate Holder's compliance posture. Policies may not be stand−alone statements but may be imbedded within procedures, instructions or information regarding a particular regulatory requirement. The questions in this section of the data collection tool are designed to assist the inspector in determining if the Certificate Holder's manual has documented or prescribed methods of accomplishing the process requirements that provide answers to the associated who, what, when, where and how type questions. This section of the data collection tool contains policy questions, procedural questions and instructional or informational questions pertaining to various types of Certificate Holder requirements such as actions, prohibitions or resources (i.e., personnel, facilities, equipment, technical data, etc.).		
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the information listed in the Supplemental Information section of this data collection tool.	
2	Review the duties and responsibilities for management and other personnel identified by the Certificate Holder who accomplish the Weather Reporting / SAWRS process.	
3	Review the Certificate Holder's manual to ensure that it contains policies, procedures, instructions and information necessary for the Weather Reporting / SAWRS process.	
Questions		
	To meet this objective, the inspector must answer the following questions:	
1	Does the Certificate Holder's manual content meet the specific regulatory and FAA policy requirements for a Weather Reporting / SAWRS process:	
1.1	Does the Certificate Holder's manual contain general policies for the Weather Reporting / SAWRS process that comply with the specific regulatory requirements? SRRs: 121.101(a); 121.119(a); 121.135(b)(1) *Related Design JTI's:* 1. Check that certificate holders conducting supplemental operations have a manual system containing a policy for which weather reports that control flight are prepared and released by the U.S. National Weather Service or a source approved by the National Weather Service (Weather Bureau.) *Sources:* 121.119(a); 121.135(b)(1) *Interfaces:* 4.2.3−op; 7.1.5−op; 2.1.2−op; 3.2.1−op; 2.1.1−op; 3.2.2−op; 7.1.4−op; 1.3.11−aw; 5.1.4−aw; 5.1.3−aw; 3.1.10−op; 4.2.5−op; 7.2.1−op; 3.1.4−op; 7.1.3−op; 1.3.7−aw; 2.1.3−op; 1.3.8−aw; 3.1.13−op; 2.1.5−op; 7.1.6−aw; 2.1.1−aw; 3.1.7−op; 4.2.6−op; 4.2.11−op; 3.2.3−op; 4.3.3−op; 2.1.4−op; 2.1.2−aw; 3.1.9−op; 4.2.7−op; 7.1.3−aw; 7.1.2−aw; 7.1.1−aw; 5.1.5−op; 2.1.3−aw; 2.1.5−aw; 2.1.4−aw 2. Certificate holders conducting supplemental operations outside the U.S. where weather reports are not available, has a policy in it's manual system that must show that its weather reports are prepared by a source found satisfactory	☐ Yes ☐ No, Explain

	by the Administrator. *Sources:* 121.119(a); 121.135(b)(1) *Interfaces:* 2.1.5−op; 3.2.3−op; 3.1.13−op; 3.1.10−op; 5.1.4−aw; 5.1.3−aw; 3.1.4−op; 7.1.6−aw; 2.1.1−op; 2.1.3−op; 3.2.1−op; 3.2.2−op; 1.3.11−aw; 4.2.11−op; 2.1.5−aw; 2.1.4−op; 2.1.2−op; 7.2.1−op; 2.1.4−aw; 5.1.5−op; 2.1.3−aw; 4.3.3−op; 2.1.2−aw; 7.1.4−op; 7.1.1−aw; 3.1.7−op; 4.2.6−op; 3.1.9−op; 4.2.7−op; 7.1.3−aw; 7.1.2−aw; 1.3.8−aw; 1.3.7−aw; 2.1.1−aw; 4.2.3−op; 7.1.5−op; 4.2.5−op; 7.1.3−op 3. Certificate holders conducting supplemental operations at U.S. Military airports where weather reports are not available, has a policy in it's manual system that must show that its weather reports are prepared by a source found satisfactory by the Administrator. *Sources:* 121.119(a); 121.135(b)(1) *Interfaces:* 5.1.5−op; 2.1.5−aw; 7.1.3−op; 2.1.4−aw; 2.1.1−op; 4.2.11−op; 7.1.4−op; 7.1.5−op; 3.1.9−op; 2.1.2−op; 4.2.6−op; 4.2.5−op; 1.3.11−aw; 3.1.7−op; 7.1.3−aw; 4.2.7−op; 2.1.5−op; 7.2.1−op; 2.1.3−op; 3.1.10−op; 1.3.7−aw; 5.1.4−aw; 2.1.2−aw; 2.1.3−aw; 4.3.3−op; 1.3.8−aw; 3.1.4−op; 7.1.2−aw; 7.1.1−aw; 4.2.3−op; 3.2.3−op; 3.1.13−op; 5.1.3−aw; 2.1.1−aw; 2.1.4−op; 7.1.6−aw; 3.2.1−op; 3.2.2−op	
1.2	Does the Certificate Holder's manual cite the regulatory requirements listed in the Supplemental Information section of this SAI? SRRs: 121.135(b)(3)	☐ Yes ☐ No, Explain
1.3	Does the Certificate Holder's manual contain the duties and responsibilities for personnel who will accomplish the Weather Reporting / SAWRS process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
1.4	Does the Certificate Holder's manual include instructions and information for personnel to meet the requirements of the Weather Reporting / SAWRS process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain
1.5	Does the domestic or flag Certificate Holder's manual show that enough weather reporting services are available along each route to ensure weather reports and forecasts necessary for the operation? SRRs: 121.101(a) *Related Design JTI's:* 1. Check that the certificate holder's manual system has instructions that show enough weather reporting services are available along each route to ensure weather reports necessary for the operation. *Sources:* 121.101(a); 121.135(b)(24) *Interfaces:* 7.2.1−op; 7.1.3−op; 7.1.4−op; 5.1.5−op; 2.1.2−op; 7.1.5−op; 4.2.5−op; 2.1.3−op; 4.2.11−op; 2.1.4−op; 1.3.8−aw; 2.1.1−op; 1.3.7−aw; 3.1.9−op;	☐ Yes ☐ No, Explain ☐ Not Applicable

2.1.5−op; 4.2.3−op; 3.1.4−op; 5.1.4−aw; 2.1.1−aw; 5.1.3−aw; 7.1.1−aw; 3.2.2−op; 7.1.2−aw; 2.1.5−aw; 1.3.11−aw; 4.2.6−op; 3.1.7−op; 4.2.7−op; 3.2.3−op; 7.1.3−aw; 3.1.13−op; 2.1.2−aw; 3.1.10−op; 7.1.6−aw; 2.1.3−aw; 3.2.1−op; 4.3.3−op; 2.1.4−aw

2. Check that the certificate holder has a policy in its manual system that only weather reports approved by the U.S. National Weather Service or a source approved by the U.S. National Weather Service are used to control flight operations within the 48 contiguous States and the District of Columbia.
Sources: 121.101(b)(1); 121.135(b)(1)
Interfaces: 7.1.1−aw; 3.1.10−op; 4.2.5−op; 2.1.3−op; 2.1.4−op; 3.1.4−op; 2.1.5−op; 4.2.6−op; 3.2.1−op; 4.2.3−op; 3.2.2−op; 7.1.2−aw; 3.1.13−op; 7.1.3−aw; 5.1.4−aw; 3.2.3−op; 2.1.2−op; 7.1.6−aw; 1.3.7−aw; 2.1.4−aw; 7.2.1−op; 7.1.4−op; 5.1.5−op; 7.1.3−op; 3.1.9−op; 2.1.1−aw; 5.1.3−aw; 2.1.1−op; 1.3.8−aw; 4.2.11−op; 4.3.3−op; 2.1.3−aw; 2.1.5−aw; 1.3.11−aw; 3.1.7−op; 4.2.7−op; 2.1.2−aw; 7.1.5−op
3. Check that the certificate holder has a policy in its manual system that only weather reports approved by Administrator are used to control flight operations conducted outside the 48 contiguous States and the District of Columbia.
Sources: 121.101(b)(2); 121.135(b)(1)
Interfaces: 2.1.4−aw; 1.3.11−aw; 4.2.11−op; 1.3.7−aw; 7.2.1−op; 4.3.3−op; 1.3.8−aw; 4.2.3−op; 7.1.5−op; 5.1.5−op; 2.1.2−aw; 2.1.3−aw; 2.1.1−aw; 3.1.7−op; 2.1.5−aw; 4.2.7−op; 7.1.4−op; 5.1.3−aw; 3.2.2−op; 2.1.4−op; 5.1.4−aw; 3.1.10−op; 4.2.5−op; 2.1.3−op; 3.1.13−op; 3.1.4−op; 2.1.5−op; 2.1.2−op; 7.1.6−aw; 3.2.3−op; 3.1.9−op; 7.1.3−op; 4.2.6−op; 7.1.2−aw; 7.1.1−aw; 2.1.1−op; 3.2.1−op; 7.1.3−aw
4. Check that each certificate holder's manual system conducting operations shall have information that adopts an approved system for obtaining reports of adverse weather phenomena, that may affect safety of flight on each route to be flown.
Sources: 121.101(d); 121.135(b)(24)
Interfaces: 2.1.2−op; 7.1.5−op; 4.2.3−op; 2.1.1−op; 7.1.4−op; 3.2.1−op; 1.3.11−aw; 4.2.11−op; 3.2.3−op; 4.2.6−op; 4.2.5−op; 7.1.1−aw; 3.1.4−op; 3.1.10−op; 3.2.2−op; 7.2.1−op; 3.1.13−op; 2.1.2−aw; 7.1.6−aw; 2.1.1−aw; 3.1.7−op; 7.1.3−op; 2.1.5−op; 4.2.7−op; 7.1.3−aw; 5.1.4−aw; 2.1.5−aw; 5.1.3−aw; 2.1.3−aw; 5.1.5−op; 4.3.3−op; 2.1.4−aw; 2.1.3−op; 2.1.4−op; 1.3.8−aw; 1.3.7−aw; 3.1.9−op; 7.1.2−aw
5. Check that each certificate holder's manual system conducting operations shall have information that adopts an approved system for obtaining reports of adverse weather

	phenomena that may affect safety of flight at each airport to be used. *Sources:* 121.101(d); 121.135(b)(24) *Interfaces:* 4.3.3−op; 7.1.6−aw; 1.3.7−aw; 3.1.9−op; 1.3.11−aw; 4.2.7−op; 2.1.5−aw; 2.1.4−aw; 3.1.7−op; 5.1.5−op; 2.1.2−aw; 7.1.2−aw; 7.1.3−op; 7.1.4−op; 7.1.3−aw; 2.1.1−aw; 2.1.1−op; 5.1.4−aw; 2.1.3−aw; 3.1.4−op; 4.2.3−op; 7.1.5−op; 3.2.2−op; 4.2.5−op; 4.2.6−op; 3.2.1−op; 7.1.1−aw; 3.1.13−op; 3.2.3−op; 2.1.5−op; 5.1.3−aw; 1.3.8−aw; 2.1.4−op; 4.2.11−op; 2.1.2−op; 3.1.10−op; 2.1.3−op; 7.2.1−op 6. Check that each certificate holder's manual system conducting operations shall have instructions to use an approved system for obtaining reports of adverse weather phenomena, that may affect safety of flight on each route to be flown. *Sources:* 121.101(d); 121.135(b)(24) *Interfaces:* 5.1.5−op; 7.2.1−op; 2.1.5−aw; 7.1.3−op; 4.2.11−op; 2.1.1−op; 7.1.4−op; 7.1.5−op; 3.1.9−op; 4.2.6−op; 2.1.2−op; 7.1.3−aw; 2.1.3−op; 1.3.7−aw; 3.1.4−op; 3.2.1−op; 2.1.3−aw; 2.1.4−op; 2.1.4−aw; 1.3.8−aw; 4.2.3−op; 7.1.2−aw; 7.1.1−aw; 1.3.11−aw; 3.1.7−op; 4.2.5−op; 4.2.7−op; 3.1.13−op; 3.2.3−op; 2.1.5−op; 5.1.4−aw; 2.1.2−aw; 2.1.1−aw; 5.1.3−aw; 7.1.6−aw; 3.1.10−op; 4.3.3−op; 3.2.2−op 7. Check that each certificate holder's manual system conducting operations shall have instructions to use an approved system for obtaining reports of adverse weather phenomena, that may affect safety of flight at each airport to be used. *Sources:* 121.101(d); 121.135(b)(24) *Interfaces:* 2.1.1−aw; 3.1.13−op; 3.1.9−op; 5.1.4−aw; 7.1.6−aw; 7.1.3−aw; 3.2.3−op; 3.1.7−op; 7.1.1−aw; 2.1.2−aw; 4.2.7−op; 5.1.5−op; 7.1.3−op; 3.2.2−op; 2.1.4−aw; 2.1.2−op; 3.2.1−op; 7.1.2−aw; 2.1.4−op; 5.1.3−aw; 2.1.3−op; 1.3.7−aw; 2.1.3−aw; 2.1.5−op; 4.3.3−op; 2.1.5−aw; 4.2.3−op; 2.1.1−op; 7.1.4−op; 7.2.1−op; 7.1.5−op; 3.1.10−op; 4.2.5−op; 1.3.8−aw; 4.2.6−op; 1.3.11−aw; 4.2.11−op; 3.1.4−op	
1.6	Does the supplemental Certificate Holder's manual show that it may not use any weather report to control flight unless the report was prepared and released by the U.S. National Weather Service or a source approved by the Weather Bureau? SRRs: 121.119(a)	☐ Yes ☐ No, Explain ☐ Not Applicable
1.7	Does the Certificate Holder's Weather Reporting / SAWRS process comply with the related requirements of operations specifications C064? Related CFRs: C.064(a)(2) *Related Design JTI's:* 1. Check that the certificate holder's manual system has an authorization to use an approved source of weather reporting to	☐ Yes ☐ No, Explain ☐ Not Applicable

conduct nonscheduled passenger and all−cargo (scheduled and nonscheduled) terminal area IFR operations in Class G airspace. *Sources:* C.064(a)(2) *Interfaces:* 4.2.7−op; 5.1.4−aw; 7.1.3−aw; 3.2.3−op; 2.1.5−op; 3.1.10−op; 2.1.2−aw; 2.1.4−op; 3.1.13−op; 5.1.3−aw; 2.1.1−aw; 7.1.2−aw; 7.1.3−op; 2.1.5−aw; 2.1.3−op; 2.1.1−op; 5.1.6−op; 4.3.3−op; 2.1.4−aw; 2.1.3−aw; 1.3.7−aw; 7.1.6−aw; 5.1.5−op; 3.1.9−op; 3.2.2−op; 4.2.6−op; 7.1.1−aw; 3.2.1−op; 7.1.4−op; 1.3.8−aw; 7.2.1−op; 2.1.2−op; 4.2.11−op; 3.1.4−op; 4.2.3−op; 7.1.5−op; 4.2.5−op; 3.1.7−op; 1.3.11−aw 2. Check that the certificate holder's manual system has an authorization to use an approved source of weather reporting to conduct nonscheduled passenger and all−cargo (scheduled and nonscheduled) terminal area IFR operations at airports without an operating control tower. *Sources:* C.064(a)(2) *Interfaces:* 1.3.7−aw; 7.1.6−aw; 2.1.3−aw; 3.1.9−op; 4.3.3−op; 1.3.8−aw; 5.1.5−op; 7.1.3−op; 4.2.7−op; 2.1.5−aw; 2.1.4−aw; 2.1.2−aw; 1.3.11−aw; 3.2.1−op; 3.1.7−op; 4.2.3−op; 4.2.6−op; 7.1.2−aw; 7.1.1−aw; 7.1.3−aw; 7.1.4−op; 2.1.1−aw; 2.1.1−op; 7.1.5−op; 4.2.11−op; 7.2.1−op; 5.1.6−op; 2.1.3−op; 3.1.4−op; 3.2.2−op; 4.2.5−op; 3.2.3−op; 2.1.5−op; 3.1.13−op; 5.1.3−aw; 2.1.4−op; 3.1.10−op; 5.1.4−aw; 2.1.2−op	
1.8 Does the Certificate Holder's Weather Reporting / SAWRS process comply with the guidance contained in FAA Order 8300.10? *Related Design JTI's:* 1. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station provides a system test and inspection requirements as outlined in FAR Part 43, Appendix E when two aircraft−type sensitive altimeters (meets TSO C10B) are used as altimeter setting sources. *Sources:* 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(a) *Interfaces:* 7.1.1−aw; 2.1.4−op; 2.1.3−op; 7.1.2−aw; 4.2.6−op; 7.1.3−aw; 2.1.1−op; 2.1.3−aw; 2.1.4−aw; 7.2.1−op; 5.1.5−op; 7.1.3−op; 2.1.5−op; 2.1.5−aw; 2.1.2−aw; 2.1.2−op; 5.1.4−aw; 7.1.6−aw; 1.3.7−aw; 1.3.8−aw; 1.3.11−aw; 7.1.4−op; 7.1.5−op; 2.1.1−aw 2. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has provided that all aircraft type altimeters have been calibrated every 24 months after initial certification by an FAA approved instrument repair station. *Sources:* 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(f) *Interfaces:* 7.1.3−aw; 5.1.4−aw; 2.1.1−aw; 2.1.2−aw; 7.1.1−aw; 7.1.2−aw; 7.1.6−aw; 7.1.3−op; 2.1.2−op; 7.1.5−op; 1.3.8−aw; 1.3.7−aw; 2.1.4−aw; 2.1.3−aw; 2.1.3−op; 2.1.4−op; 2.1.5−aw; 2.1.5−op; 7.2.1−op; 7.1.4−op; 5.1.5−op; 2.1.1−op; 4.2.6−op; 1.3.11−aw 3.	☐ Yes ☐ No, Explain

Check that the certificate holder's manual system contains instructions that ensure each SAWRS station has provided a facility that is maintained at a reasonably consistent temperature.
Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(c)
Interfaces: 1.3.8−aw; 2.1.4−aw; 1.3.7−aw; 2.1.3−aw; 1.3.11−aw; 2.1.1−aw; 7.1.3−op; 7.1.4−op; 2.1.4−op; 2.1.5−aw; 7.1.2−aw; 7.1.1−aw; 5.1.4−aw; 4.2.6−op; 2.1.3−op; 2.1.5−op; 2.1.2−aw; 2.1.2−op; 5.1.5−op; 7.1.6−aw; 7.1.3−aw; 7.1.5−op; 2.1.1−op; 7.2.1−op

4. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has provided the altimeter source setting facility that is free from drafts.
Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(c)
Interfaces: 7.1.5−op; 2.1.1−op; 7.2.1−op; 2.1.2−op; 7.1.3−op; 7.1.4−op; 2.1.4−op; 2.1.3−op; 1.3.7−aw; 1.3.8−aw; 2.1.5−op; 2.1.1−aw; 7.1.6−aw; 4.2.6−op; 5.1.4−aw; 1.3.11−aw; 7.1.1−aw; 2.1.2−aw; 7.1.3−aw; 2.1.4−aw; 7.1.2−aw; 5.1.5−op; 2.1.3−aw; 2.1.5−aw
5. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station is properly vented (outside static source) if an error in excess of 10 feet is induced by the use of forced air systems upon the altimeters.
Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(d)
Interfaces: 2.1.5−op; 5.1.4−aw; 7.1.2−aw; 4.2.6−op; 2.1.3−op; 2.1.4−op; 2.1.2−op; 7.1.6−aw; 7.2.1−op; 1.3.8−aw; 2.1.1−op; 1.3.7−aw; 7.1.5−op; 1.3.14−aw; 2.1.1−aw; 7.1.4−op; 7.1.1−aw; 7.1.3−aw; 2.1.5−aw; 1.3.11−aw; 2.1.3−aw; 5.1.5−op; 2.1.4−aw; 2.1.2−aw; 7.1.3−op
6. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has altimeters that are mounted in a box or rack to preclude damage from mishandling.
Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(a)
Interfaces: 2.1.2−aw; 7.1.6−aw; 1.3.11−aw; 2.1.5−aw; 5.1.5−op; 2.1.4−aw; 2.1.3−aw; 7.1.3−op; 7.1.4−op; 4.2.6−op; 7.1.3−aw; 2.1.1−op; 2.1.3−op; 7.2.1−op; 2.1.1−aw; 1.3.14−aw; 2.1.2−op; 7.1.5−op; 7.1.1−aw; 7.1.2−aw; 5.1.4−aw; 2.1.5−op; 1.3.8−aw; 1.3.7−aw; 2.1.4−op
7. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has altimeters that are mounted in a reasonable, permanent location.
Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(a)
Interfaces: 2.1.5−aw; 7.1.3−op; 2.1.4−aw; 2.1.1−op; 7.1.4−op; 2.1.2−op; 2.1.3−aw; 7.2.1−op; 1.3.8−aw; 7.1.5−op; 1.3.11−aw; 4.2.6−op; 5.1.5−op; 1.3.7−aw; 2.1.2−aw; 7.1.6−aw; 1.3.14−aw; 7.1.2−aw; 7.1.3−aw; 2.1.5−op; 2.1.4−op; 2.1.1−aw; 5.1.4−aw;

	2.1.3−op; 7.1.1−aw 8. Check that the certificate holder's manual system contains instructions that ensures each SAWRS station has a facility, which has established a known height above sea level, plus or minus one foot, that is marked on the instruments or posted immediately adjacent to them. *Sources:* 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(b) *Interfaces:* 2.1.3−op; 4.2.6−op; 7.1.2−aw; 2.1.4−op; 7.1.3−aw; 5.1.4−aw; 7.1.1−aw; 2.1.3−aw; 2.1.4−aw; 7.2.1−op; 1.3.11−aw; 5.1.5−op; 2.1.5−aw; 2.1.5−op; 1.3.14−aw; 2.1.2−aw; 2.1.1−op; 7.1.6−aw; 2.1.2−op; 1.3.7−aw; 1.3.8−aw; 7.1.3−op; 7.1.4−op; 7.1.5−op; 2.1.1−aw 9. Check that the certificate holder's manual system contains instructions that ensure each SAWRS station has a method established to communicate the altimeter setting information to the pilot. *Sources:* 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (2) *Interfaces:* 7.1.3−aw; 4.2.7−op; 2.1.2−aw; 3.2.3−op; 2.1.3−aw; 5.1.4−aw; 7.1.1−aw; 2.1.4−aw; 5.1.7−op; 7.1.2−aw; 7.1.6−aw; 2.1.5−aw; 2.1.1−aw; 5.1.5−op; 7.1.3−op; 4.2.11−op; 3.2.1−op; 2.1.1−op; 3.1.9−op; 3.1.3−op; 3.2.2−op; 4.2.6−op; 7.1.4−op; 7.2.1−op; 5.1.6−op; 2.1.2−op; 1.3.14−aw; 7.1.5−op; 3.1.10−op; 4.2.5−op; 2.1.3−op; 1.3.8−aw; 1.3.7−aw; 2.1.4−op; 1.3.11−aw; 2.1.5−op; 4.2.3−op	
1.9	If alternate procedures exist for use during irregular conditions, do the alternate procedures provide an equivalent level of safety to achieve the same results as the primary procedures?	☐ Yes ☐ No, Explain ☐ Not Applicable

SAI SECTION 1 − PROCEDURES ATTRIBUTE −Drop Down Menu
1. No procedures, policy, instructions or information specified.
2. Procedures or instructions and information do not identify (who, what, when, where, how).
3. Procedures, policy or instructions and information do not comply with CFR.
4. Procedures, policy or instructions and information do not comply with FAA policy and guidance.
5. Procedures, policy or instructions and information do not comply with other documentation (e.g., manufacturer's data, Jeppesen's Charts, etc.).
6. Procedures, policy or instructions and information unclear or incomplete.
7. Documentation quality (e.g., unreadable or illegible).
8. Procedures, policy or instructions and information inconsistent across Certificate Holder manuals (FOM − Flight Operations Manual to GMM − General Maintenance Manual, etc.).
9. Procedures, policy or instructions and information inconsistent across media (e.g., paper, microfiche, electronic).
10. Resource requirements incomplete (personnel, facilities, equipment, technical data).
11. Other.

SAI SECTION 2 − CONTROLS ATTRIBUTE		
Objective: Controls are checks and restraints designed into a process to ensure a desired result. The questions in this section of the data collection tool are designed to assist the inspector in determining if checks and restraints are designed into the process to ensure the desired result is achieved. Controls should be written into the manual system to ensure that the most important manual policies, procedures or instructions and information will be complied with. Controls may be in the form of "administrative controls" which are secondary or supplemental written procedures. Like written procedures, administrative controls also need to provide answers to the associated who, what, when, where and how type questions. Controls may also be in the form of "engineered controls" such as automated features or mechanical actions or devices (i.e., safety devices, warning devices, etc.).		
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the control questions below.	
2	Review the Certificate Holder's policies, procedures, instructions and information to gain an understanding of the controls that it has documented.	
Questions		
	To meet this objective, the inspector must answer the following questions:	
2.	Are the following controls built into the Weather Reporting / SAWRS process:	
2.1	Is there a control in place to ensure that the dispatcher/flight follower provides current, approved weather reporting while conducting nonscheduled passenger and all−cargo operations?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.2	Is there a control in place to ensure that the pilot receives current, approved weather reporting while conducting nonscheduled passenger and all−cargo operations?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.3	Is there a control in place to ensure that the SAWRS station provides current, approved weather reporting while conducting nonscheduled passenger and all−cargo operations?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.4	Is there a control in place to ensure that the dispatcher/flight follower provides sufficient weather reports along the route of operation?	☐ Yes ☐ No, Explain
2.5	Is there a control in place to ensure that the SAWRS station maintains approval by the U.S. National Weather Service?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.6	Is there a control in place to ensure that the flight crew uses only weather reports approved by the U.S. National Weather Service?	☐ Yes ☐ No, Explain
2.7	Is there a control in place to ensure that the dispatch/flight follower uses only weather reports approved by the U.S. National Weather Service?	☐ Yes ☐ No, Explain
2.8	Is there a control in place to ensure that the flight crew uses only weather reports approved by the Administrator?	☐ Yes ☐ No, Explain
2.9	Is there a control in place to ensure that the dispatcher/flight follower uses only weather reports approved by the Administrator?	☐ Yes ☐ No, Explain

2.10 Is there a control in place to ensure that the SAWRS station provides reports of adverse weather phenomena?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.11 Is there a control in place to ensure that the dispatch/flight follower uses only weather reports approved by the Administrator for operations at U.S. military airports?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.12 Is there a control in place to ensure that the flight crew uses only weather reports approved by the Administrator for operations at U.S. military airports?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.13 Is there a control in place to ensure that the SAWRS station performs tests in accordance with Appendix E of Part 43 on its aircraft−type altimeters?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.14 Is there a control in place to ensure that the SAWRS station performs calibrations every 24 months on its aircraft−type altimeters?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.15 Is there a control in place to ensure that the SAWRS station controls environmental conditions to reduce induced errors?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.16 Is there a control in place to ensure that the SAWRS station has proper venting for altimeters that use forced air systems?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.17 Is there a control in place to ensure that the SAWRS station properly mounts its altimeters in a box or rack in a reasonable, permanent location?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.18 Is there a control in place to ensure that the SAWRS station properly mounts and marks its altimeters at a known height?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.19 Is there a control in place to ensure that the SAWRS station personnel are properly trained and qualified?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.20 Is there a control in place to ensure that the SAWRS station maintains the equipment used to communicate to the pilot?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.21 Is there a control in place to ensure that the Certificate Holder maintains training records for personnel at non−federal weather reporting facilities?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.22 Is there a control in place to ensure that non−federal weather reporting facilities are maintained in accordance with the Certificate Holder's policies and procedures?	☐ Yes ☐ No, Explain ☐ Not Applicable
2.23 Does the Certificate Holder have a documented method for assessing the impact of any changes made to the controls in the Weather Reporting /	☐ Yes

SAWRS process?	☐ No, Explain

SAI SECTION 2 − CONTROLS ATTRIBUTE −Drop Down Menu
1. No controls specified.
2. Documentation for the controls do not identify (who, what, when, where, how).
3. Controls incomplete.
4. Controls could be circumvented.
5. Controls could be unenforceable.
6. Resource requirements incomplete (personnel, facilities, equipment, technical data).
7. Other.

SAI SECTION 3 − PROCESS MEASUREMENT ATTRIBUTE	
Objective: Process measurements are used by the Certificate Holder to measure and assess its processes to identify and correct problems or potential problems and to make improvements to the processes. The questions in this section of the data collection tool are designed to assist the inspector in determining if the Certificate Holder measures or assesses information to identify, analyze and document potential problems with the process. Process measurements are basically a Certificate Holder's internal evaluation or auditing of the most important policies, procedures or instructions and information associated with an element. To prevent the duplication of work that would otherwise occur, Process Measurements are most commonly addressed through a combination of auditing features contained in both the Certificate Holder's Safety Program/Internal Evaluation Program (for Operations and Cabin Safety related issues) and the auditing function of the Continuous Analysis &Surveillance System (for Airworthiness or Maintenance/Inspection related issues). The Director of Safety and the Quality Assurance Department often work in conjunction to accomplish this function for the Certificate Holder. This approach simply requires amendment of the Safety Program/Internal Evaluation Program audit forms or checklists and the Continuous Analysis &Surveillance System audit forms or checklists to include the specific process measurements for each element.	
Tasks	
To meet this objective, the inspector must accomplish the following tasks:	
1 Review the process measurement questions below.	
2 Review the Certificate Holder's policies, procedures, instructions and information to gain an understanding of the process measurements that it has documented.	
Questions	
To meet this objective, the inspector must answer the following questions:	
3. Does the Certificate Holder's Weather Reporting / SAWRS process include the following process measurements:	
3.1 Process measurements that would reveal when the dispatcher/flight follower failed to provide current, approved weather reporting while conducting nonscheduled passenger and all−cargo operations?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.2 Process measurements that would reveal when the pilot failed to receive current, approved weather reporting while conducting nonscheduled passenger and all−cargo operations?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.3 Process measurements that would reveal when the SAWRS station failed to provide current, approved weather reporting while conducting nonscheduled passenger and all−cargo operations?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.4 Process measurements that would reveal when the dispatcher/flight follower failed to provide sufficient weather reports along the route of operation?	☐ Yes ☐ No, Explain
3.5 Process measurements that would reveal when the SAWRS station failed to maintain approval by the U.S. National Weather Service?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.6 Process measurements that would reveal when the flight crew failed to use only weather reports approved by the U.S. National Weather Service?	☐ Yes ☐ No, Explain

3.7 Process measurements that would reveal when the dispatch/flight follower failed to use only weather reports approved by the U.S. National Weather Service?	☐ Yes ☐ No, Explain
3.8 Process measurements that would reveal when the flight crew failed to use only weather reports approved by the Administrator?	☐ Yes ☐ No, Explain
3.9 Process measurements that would reveal when the dispatcher/flight follower failed to use only weather reports approved by the Administrator?	☐ Yes ☐ No, Explain
3.10 Process measurements that would reveal when the SAWRS station failed to provide reports of adverse weather phenomena?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.11 Process measurements that would reveal when the dispatch/flight follower failed to use only weather reports approved by the Administrator for operations at U.S. military airports?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.12 Process measurements that would reveal when the flight crew failed to use only weather reports approved by the Administrator for operations at U.S. military airports?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.13 Process measurements that would reveal when the SAWRS station failed to perform tests in accordance with Appendix E of Part 43 on its aircraft−type altimeters?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.14 Process measurements that would reveal when the SAWRS station failed to perform calibrations every 24 months on its aircraft−type altimeters?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.15 Process measurements that would reveal when the SAWRS station failed to control environmental conditions to reduce induced errors?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.16 Process measurements that would reveal when the SAWRS station failed to have proper venting for altimeters that use forced air systems?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.17 Process measurements that would reveal when the SAWRS station failed to properly mount its altimeters in a box or rack in a reasonable, permanent location??	☐ Yes ☐ No, Explain ☐ Not Applicable
3.18 Process measurements that would reveal when the SAWRS station failed to properly mount and mark its altimeters at a known height?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.19 Process measurements that would reveal when the SAWRS station personnel failed to be properly trained and qualified?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.20 Process measurements that would reveal when the SAWRS station failed to maintain the equipment used to communicate to the pilot?	☐ Yes ☐ No, Explain ☐ Not Applicable

3.21 Process measurements that would reveal when the Certificate Holder failed to maintain training records for personnel at non−federal weather reporting facilities?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.22 Process measurements that would reveal when the Certificate Holder failed to ensure that non−federal weather reporting facilities are maintained in accordance with their policies and procedures?	☐ Yes ☐ No, Explain ☐ Not Applicable
3.23 Does the Certificate Holder document its process measurement methods and results?	☐ Yes ☐ No, Explain
3.24 Does the organization that conducts the process measurements have direct access to the person with responsibility for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain

SAI SECTION 3 − PROCESS MEASUREMENT ATTRIBUTE −Drop Down Menu
1. No process measurements specified.
2. Documentation for the process measurements does not identify (who, what, when, where, how).
3. Inability to identify negative findings.
4. No provisions for implementing corrective actions.
5. Ineffective follow−up to determine effectiveness of corrective actions.
6. Resources requirements (personnel, facilities, equipment, technical data).
7. Other.

SAI SECTION 4 − INTERFACES ATTRIBUTE		
Objective: Interfaces are used by the Certificate Holder to identify and manage the interactions between processes. The questions in this section of the data collection tool are designed to assist the inspector in determining whether or not interactions between the procedures, policies or instructions and information associated with other independent processes within the Certificate Holder's organization are documented. Written procedures, policies or instructions and information that are interrelated and located in different manuals within the Certificate Holder's manual system need to be consistent and complement each other. For the interfaces to be effectively managed, it is not only important to identify what the interfaces are, but it is imperative to document the specific location of the interfaces within the Certificate Holder's manual system.		
Tasks		
	To meet this objective, the inspector must accomplish the following tasks:	
1	Review the interfaces associated with the Weather Reporting / SAWRS process that have been identified along with the individual questions in the Procedures Section (1) of this data collection tool.	
2	Review the Certificate Holder's policies, procedures, instructions and information to gain an understanding of the interfaces that it has documented.	
Questions		
	To meet this objective, the inspector must answer the following questions: NOTE: ALL EXPLANATIONS IN THE DROP DOWN MENU FOR "NO" ANSWERS MUST INCLUDE THE INDIVIDUAL QUESTION NUMBER FROM THE PROCEDURES SECTION (1) OF THIS DATA COLLECTION TOOL AND THE ELEMENT NUMBER(S) OF THE INTERFACE(S) THAT WERE NOT ADDRESSED.	
4.	Does the Certificate Holder's manual:	
4.1	Properly address the interfaces that are identified along with the individual questions in the Procedures Section (1)?	☐ Yes ☐ No, Explain
4.2	Document a method for assessing the impact of any changes to the associated interfaces within the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain
4.3	List additional interfaces identified during the accomplishment of this SAI.	

SAI SECTION 4 − INTERFACES ATTRIBUTE −Drop Down Menu
1. No interfaces specified.
2. The following interfaces not identified within the Certificate Holder's manual system:
3. Interfaces listed are inaccurate.
4. Specific location of interfaces not identified within the manual system.
5. Other

SAI SECTION 5 − MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTE	
Objective: The questions in this section of the data collection tool address the responsibility and authority of the process. They are designed to assist the inspector in determining if there is a clearly identifiable, qualified and knowledgeable person who is responsible for the process, is answerable for the quality of the process and has the authority to establish and modify the process. (The person with the authority may or may not be the person with the responsibility.)	
Tasks	
To meet this objective, the inspector must accomplish the following tasks:	
1 Identify the person who has overall responsibility for the Weather Reporting / SAWRS process.	
2 Identify the person who has overall authority for the Weather Reporting / SAWRS process.	
3 Review the duties and responsibilities of the person(s), documented in the Certificate Holder's manual.	
4 Review the appropriate organizational chart.	
Questions	
To meet this objective, the inspector must answer the following questions:	
5. Are the following aspects of the Management Responsibility and Authority Attributes addressed in the Weather Reporting / SAWRS process:	
5.1 Does the Certificate Holder's manual clearly identify who is responsible for the quality of the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain Name/Title:
5.2 Does the Certificate Holder's manual clearly identify who has authority to establish and modify the policies, procedures, instructions and information for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain Name/Title:
5.3 Does the Certificate Holder's manual include the duties and responsibilities of those who manage the work required by the Weather Reporting / SAWRS process? SRRs: 121.135(b)(2)	☐ Yes ☐ No, Explain
5.4 Does the Certificate Holder's manual include instructions and information for those who manage the work required by the Weather Reporting / SAWRS process? SRRs: 121.135(a)(1)	☐ Yes ☐ No, Explain
5.5 Does the Certificate Holder's manual clearly and completely document the authority for this position?	☐ Yes ☐ No, Explain
5.6 Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having responsibility for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain
5.7 Does the Certificate Holder's manual clearly and completely document their qualification standards for the person having authority to establish and modify the Certificate Holder's policies, procedures, instructions and information for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain

5.8	Does the Certificate Holder's manual clearly and completely document the procedures for delegation of authority for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain

SAI SECTION 5 − MANAGEMENT RESPONSIBILITY & AUTHORITY ATTRIBUTE −Drop Down Menu
1. Not documented.
2. Documentation unclear.
3. Documentation incomplete.
4. Other.